



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/842,089	04/26/2001	Jae Kyung Lee	P-221	6949

34610 7590 08/27/2003

FLESHNER & KIM, LLP
P.O. BOX 221200
CHANTILLY, VA 20153

EXAMINER

NATNAEL, PAULO M

ART UNIT	PAPER NUMBER
----------	--------------

2614

DATE MAILED: 08/27/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/842,089

Applicant(s)

LEE ET AL.

Examiner

Paulos M. Natnael

Art Unit

2614

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-19 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 1-19 is/are rejected.
- 7) ☐ Claim(s) ____ is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on ____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on ____ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. ____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) ____.
- 4) ☐ Interview Summary (PTO-413) Paper No(s). ____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

2. Claims **1-3, 11 and 12** rejected under 35 U.S.C. 102(e) as being anticipated by Matthews, III et al., U.S. Pat. No. 6,025,837.

Considering claim 1, a TV having an OSD (On Screen Display) function, comprising

a) a service site server for providing a user OSD (On Screen Display) set menu and an OSD generation program corresponding of the original information of a TV, is met by the EPG Server 44, Fig.1;

b) a control unit for generating a pertinent OSD by using the OSD generation program after being provided the user OSD set menu and OSD generation program, is met by processor 92, FIG. 4;

c) a video processing unit for displaying the generated OSD on a screen, is met by the display 112, fig.5;

Considering claim 2, the TV having the OSD (On Screen Display) function according to claim 1, wherein the TV further comprises a storing unit for storing the original information, contact information for contacting to the service site server, and an OSD generation program corresponding to the original information, is met by program Memory 96, fig. 4;

Considering claim 3, the TV having the OSD (On Screen Display) function according to claim 1, wherein the service site server contacts to the control unit through a network interface unit, is met by Network 32, fig.1 (see also fig. 3)

Claim 11 is a method claim of claim 1 and therefore, Claim 11 is rejected for the same reasons as claim 1.

Considering claim 12, the control method of the TV having the OSD (On Screen Display) function according to claim 11, wherein the receiving process for receiving the user OSD set menu uploads the original information of the TV by contacting to the service site server, and receives a user OSD set menu corresponding to the uploaded original information, is met by the disclosure "Interactive systems permit viewers to control what programs are shown on their TV and when. Movies-on-demand is one example of this interactive control. A viewer can peruse a list of available movies from a menu or the EPG, and then order a selected movie. The STB sends a request

for the movie to the headend server. The movie is retrieved and transmitted to the requesting STB. Movies-on-demand thus enables viewers to shop, purchase, and watch a movie at their convenience, as opposed to being restricted to certain start times as is typical with conventional premium or pay-per-view channels."

3. Claims **1-3, 9-11, 18** rejected under 35 U.S.C. 102(e) as being anticipated by Bril, U.S. Pat. No. 5,946,051.

Considering claim 1, a TV having an OSD (On Screen Display) function, comprising
a) a service site server for providing a user OSD (On Screen Display) set menu and an OSD generation program corresponding of the original information of a TV, is met by the disclosure that "Network interface 110 receives data corresponding to a network application such as web-browsing, electronic mail in a known way. The data may be received in one of known formats such as ASCII, HTML, VRML etc. " (col. 5, lines 50-53; see also the Abstract)

b) a control unit for generating a pertinent OSD by using the OSD generation program after being provided the user OSD set menu and OSD generation program, is met by OSD controller 170, FIG. 1; (see col. 5, lines 57 through col. 6, lines 16)

Art Unit: 2614

c) a video processing unit for displaying the generated OSD on a screen, is met by the display panel interface 145 and display 150, fig.1;

Considering claim 2, the TV having the OSD (On Screen Display) function according to claim 1, wherein the TV further comprises a storing unit for storing the original information, contact information for contacting to the service site server, and an OSD generation program corresponding to the original information, is met by Memory module 180, fig. 1; (see col. 5, lines 57 through col. 6, lines 16)

Considering claim 3, the TV having the OSD (On Screen Display) function according to claim 1, wherein the service site server contacts to the control unit through a network interface unit, is met by Network 110, fig.1;

Considering claim 9, the TV having the OSD (On Screen Display) function according to claim 2, wherein the control unit contacts to the service site server by using the contact information, and stores an OSD generation program corresponding to an OSD set menu selected by a user among user OSD set menus in the storing unit, is met by OSD controller 170, fig.1

Considering claim 10, the TV having the OSD (On Screen Display) function according to claim 9, wherein the control unit generates the pertinent OSD by using the OSD

generation program stored in the storing unit when an operation order signal of a user is inputted, is met by the disclosure that controller stores the network application data and other display entities in a memory module [180] as separate bit maps. (see abstract)

Considering claim **11**, a control method of a TV having an OSD (On Screen Display) function, comprising receiving a user OSD set menu corresponding to the original information of a TV by contacting to a service site server when an OSD set key signal is inputted ; receiving an OSD generation program corresponding to a user request OSD menu among the user OSD set menus; and generating an OSD corresponding to an operation order signal by using the received OSD generation program when an operation order signal of a user is to inputted.

Claim **11** is a method claim of claim 1 and therefore, Claim 11 is rejected for the same reasons as claim 1.

Considering claim **18**,

a) a network interface unit for receiving an OSD generation program which provides a user OSD set menu corresponding to the original information of a product, various languages, and various OSD formats from a service site server ;

- a) a storing unit for storing the original information and contact information of the service site server ;
- c) a control unit for transmitting the original information of the product by contacting to the service site server by using the contact information stored in the storing unit, storing the OSD generation program corresponding to the OSD set menu selected by the user among the user OSD set menus in the storing unit, and generating a pertinent OSD by using the OSD generation program stored in the storing unit when an operation order of a user is inputted ;
- d) and a video processing unit for displaying the OSD generated in the control unit on a screen.

See rejection of claim 1;

4. Claims **4-8** and **13-17, 19** rejected under 35 U.S.C. 102(e) as being anticipated by Bril, U.S. Pat. No. **5,946,051**.

Considering claim 4, wherein the OSD generation program provides various languages and various OSD formats.

Bril does not specifically disclose providing various languages and various OSD formats. However, Examiner takes Official Notice in that providing plurality of different modes of display and language selection is well known in the art, and it would have been obvious to the skilled in the art at the time the invention was made to modify the

inadvertent
→
103

system of Bril to provide language selection capabilities so that the user not only would access data network applications but various language selection making the system more versatile and useful to the viewer.

Considering claim 5, wherein the user OSD set menu describes OSD language information for selecting a user request language among the various languages and OSD format information for selecting a user request OSD format among the various OSD formats.

See rejection of claim 4 above.

Considering claim 6, wherein the OSD format is a format or a volume of an OSD.

Regarding claim 6, see rejection of claim 4 above

Considering claim 7, wherein the original information is a model name or a model number of a product.

Bril does not specifically disclose URL (Uniform Resource Locator).

However, Examiner takes Official Notice in that Notice in that storing information such as a model name or number received or retrieved from a remote network server in a memory is well known in the art, using the URL to obtain information from a remote network server is well known in the art, and it would have been obvious to the skilled in the art at the time the invention was made to modify the system of Bril by providing a model number in order for the user identify and retrieve the desired product efficiently.

Considering claim 8, wherein the contact information is a URL (Uniform Resource Locator).

Bril does not specifically disclose

However, Examiner takes Official Notice in that using the URL to obtain information from a remote network server is well known in the art, and it would have been obvious to the skilled in the art at the time the invention was made to modify the system of Bril to provide it with a URL so that the user obtains desired information easily by providing it with the capability so that the user obtains desired information easily.

Considering claim 13, the claimed wherein the generating process for generating the user OSD updates the former OSD generation program with the received OSD, and generates an OSD corresponding to the operation order signal by using the updated OSD generation program, is met by the disclosure "The display entities are stored in separate portions of the memory module. Such a storage enables the individual display entities to be modified (or defined) independently. As a result, the display of each display entity can be modified without necessarily impacting or being impacted by display of other display entities. For example, to achieve a scroll operation of the network application data, only the bit map of the network application data in the memory module needs to be updated. The display entities are then overlaid prior to display in accordance with the presentation." (col. 2, lines 9-17)

Considering claim **14**, wherein the original information is a model name or a model number of a product.

See rejection of claim 7.

Considering claim **15**, wherein the OSD generation program comprises various OSD languages and various OSD formats.

See rejection of claim 4 above.

Considering claim **16**, wherein the user OSD set menu describes OSD language information for selecting a user request language among the in various OSD languages, and OSD format information for selecting a user request format among the various OSD formats.

See rejection of claim 4 above.

Considering claim **17**, the control method of the TV having the OSD (On Screen Display) function according to claim 16, wherein the OSD format is a type or a volume of an OSD, is met by the disclosure that the OSD controller alters the pixel position by generating half-tone signals. (see col. 2, lines 46-61)

Considering claim **19**, wherein the user OSD set menu describes OSD language information for selecting a user request language among the various OSD languages,

and OSD in format information for selecting a user request format among the various OSD formats.

See rejection of claim 4;

Conclusion

5. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Suga et al. U.S. Pat. No. **6,215,467** discloses a display control apparatus and method having a plurality of different display modes, and language selection processing. (see Figs. 22-24 and 29)


Any inquiry concerning this communication or earlier communications from the examiner should be directed to Paulos M. Natnael whose telephone number is (703) 305-0019. The examiner can normally be reached on 6:30am -3pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John Miller can be reached on (703) 305-4795. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

Application/Control Number: 09/842,089
Art Unit: 2614

Page 12

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 305-4750.


MICHAEL H. LEE
PRIMARY EXAMINER

Paulos Natnael *pmv*
August 21, 2003